Performance Data Sheet

AWG5520EXT

General Information

Model	AWG5520EXT	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	230V 3~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
-15	Btu/h	5500	4640					
	Watts	842	836					
	Amps	3.32	3.34					
	Lb/h	71.2	62.2					
-10	Btu/h	6690	5760	4900				
	Watts	919	926	919				
	Amps	3.47	3.50	3.52				
	Lb/h	86.0	76.8	68.2				
-5	Btu/h	8010	7010	6080	5230			
	Watts	991	1010	1020	1010			
	Amps	3.61	3.65	3.69	3.72			
	Lb/h	102	92.8	83.8	75.5			
0	Btu/h	9470	8400	7380	6440	5570		
	Watts	1060	1090	1110	1120	1110		
	Amps	3.75	3.79	3.85	3.90	3.92		
	Lb/h	120	110	101	92.1	83.6		
5	Btu/h	11100	9930	8820	7780	6800		
	Watts	1120	1160	1200	1220	1220		
	Amps	3.87	3.93	4.00	4.07	4.12		
	Lb/h	140	130	120	110	101		
10	Btu/h	12800	11600	10400	9260	8160	7140	6210
	Watts	1170	1230	1280	1310	1330	1340	1340
	Amps	3.98	4.05	4.14	4.24	4.31	4.35	4.33
	Lb/h	161	150	140	130	120	111	101
15	Btu/h	14800	13400	12100	10900	9670	8520	7440
	Watts	1220	1290	1350	1400	1440	1460	1470
	Amps	4.08	4.17	4.28	4.40	4.50	4.57	4.59
	Lb/h	184	173	163	152	141	131	120
20	Btu/h	16900	15500	14000	12700	11300	10000	8800
	Watts	1260	1350	1420	1480	1530	1570	1600
	Amps	4.16	4.27	4.41	4.55	4.68	4.79	4.85
	Lb/h	208	198	187	176	164	153	141

25	Btu/h	19200	17600	16100	14600	13100	11700	10300
	Watts	1300	1400	1480	1560	1630	1680	1720
	Amps	4.24	4.37	4.52	4.70	4.86	5.00	5.10
	Lb/h	235	224	213	201	189	177	164
30	Btu/h	21600	20000	18400	16700	15100	13500	12000
	Watts	1330	1440	1540	1630	1710	1780	1840
	Amps	4.30	4.45	4.63	4.83	5.03	5.21	5.35
	Lb/h	264	253	241	229	216	203	189
35	Btu/h	24300	22500	20800	19000	17200	15500	13800
	Watts	1350	1470	1590	1700	1790	1880	1950
	Amps	4.34	4.52	4.73	4.96	5.19	5.41	5.59
	Lb/h	294	283	271	259	245	231	216
40	Btu/h	27200	25300	23400	21500	19600	17700	15800
	Watts	1360	1500	1640	1760	1870	1970	2050
	Amps	4.38	4.57	4.82	5.08	5.35	5.61	5.84
	Lb/h	327	316	304	290	276	261	245
45	Btu/h	30300	28300	26200	24200	22100	20000	17900
	Watts	1370	1520	1670	1810	1930	2050	2150
	Amps	4.39	4.62	4.89	5.19	5.50	5.80	6.07
	Lb/h	362	351	338	325	310	294	277
50	Btu/h	33600	31400	29200	27000	24800	22500	20300
	Watts	1360	1540	1700	1850	2000	2130	2250
	Amps	4.39	4.65	4.95	5.29	5.64	5.98	6.31
	Lb/h	400	388	375	361	345	329	311
55	Btu/h	37100	34800	32500	30100	27700	25300	22800
	Watts	1350	1540	1720	1890	2050	2200	2340
	Amps	4.37	4.66	5.00	5.38	5.77	6.16	6.53
	Lb/h	440	428	415	400	384	366	347

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.857613E+04	3.862305E+02	5.953679E+00	2.054223E+02
C2	3.563386E+02	-6.467459E+00	3.369701E-02	2.850913E+00
C3	-1.057436E+02	1.281214E+01	-7.783703E-02	-1.093702E+00
C4	3.995724E+00	-1.617674E-01	-4.946827E-04	3.128128E-02
C5	1.752863E-01	2.239125E-01	-4.117835E-04	2.453395E-02
C6	-2.609880E-01	-5.257397E-02	8.695177E-04	-2.952485E-04
C7	1.057729E-02	-2.798249E-04	-8.243064E-07	1.024021E-04
C8	-1.260733E-02	5.499948E-04	3.570798E-06	1.349494E-05
C9	-9.979094E-03	1.956510E-04	3.850445E-06	-1.707425E-04
C10	1.990600E-03	-3.307355E-05	-3.017103E-06	7.917706E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature